

Karen Smith

karensmith@example.com | (123) 456-7890 | linkedin.com/in/karensmith | github.com/karensmith

SKILLS

Programming Languages: JavaScript, Python, Java **Data Visualization:** D3.js, ggplot2, Processing, Leaflet

Web Technologies: HTML, CSS, WebGL, React, jQuery **Software Development Tools:** Git, Webpack

Data Analysis & Machine Learning: Statistical Analysis, Data Mining, Natural Language Processing

EXPERIENCE

Northeastern University, Boston MA- *Data Visualization Research Assistant*

January 2023 - PRESENT

- Developed interactive visualization tools for analyzing large datasets using **D3.js** and **Python**.
- Conducted research on human-computer interaction best practices to enhance usability.
- Collaborated with a team of researchers, applying machine learning techniques to cybersecurity data.
- Presented research findings in internal meetings and academic conferences.

ABC Tech Solutions, New York NY- *Software Engineering Intern*

July 2022 - December 2022

- Designed and implemented a web-based analytics dashboard using **JavaScript** and **React**.
- Improved visualization performance for large-scale network analysis projects.
- Worked closely with machine learning engineers to integrate predictive analytics models.
- Used **Git** for version control and participated in **Agile** development sprints.

EDUCATION

Northeastern University, Boston MA- *Bachelor of Science in Computer Science*

Expected Graduation: May 2027

Relevant Coursework: Data Visualization, Human-Computer Interaction, Machine Learning, Web Development

Projects

- **City-Scale Sensor Network Visualization** – Built an interactive map using **Leaflet.js** to monitor sensor data in real-time.
- **Graph Visualization Prototype** – Developed a **Java**-based tool to handle millions of nodes efficiently.
- **Access Control Policy Diffing Tool** – Created a **Python**-based visualization for comparing security policies.